Technical data

4T-HM89448/HM89410

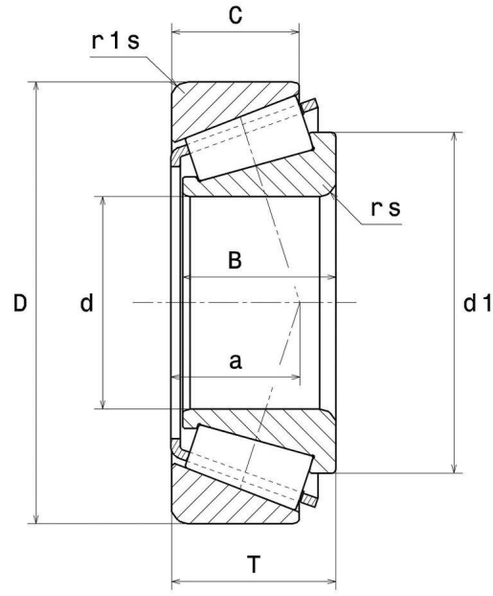
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-HM89448, 4T-HM89410

VISUAL (S)



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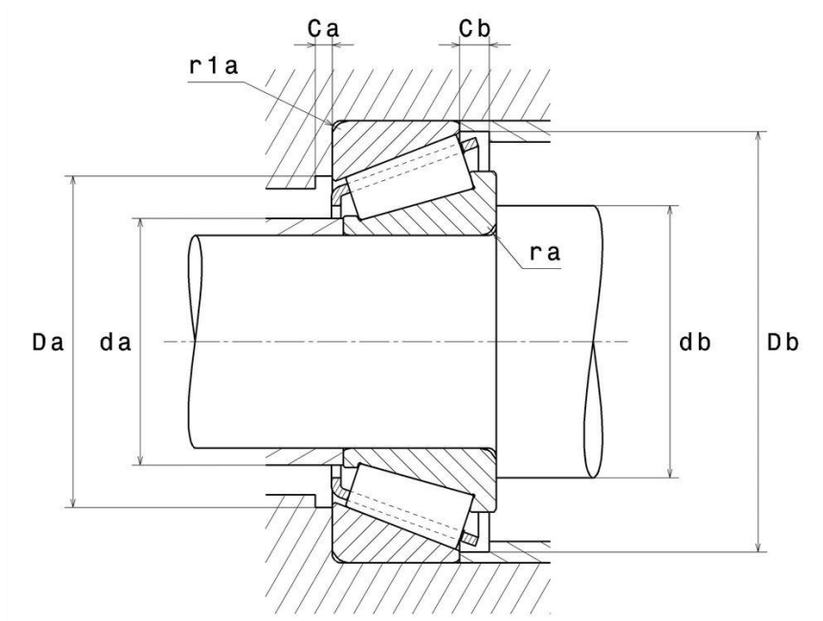
S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

4T-HM89448/HM89410

Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	36,512 mm
D - External diameter	76,2 mm
B - Bearing/Inner ring width	28,575 mm
C - Outer ring width	23,02 mm
T - Total width	29,37 mm
d1 - External diameter inner ring	58,5 mm
a - Charge load application point	23,57 mm
Mass	0,628 kg

PRODUCT PERFORMANCE	
C - Dynamic load	86,5 kN
C0 - Static load	105 kN
Cu - Fatigue limit load	12,8 kN

PRODUCT PERFORMANCE	
A2 - Rating life coefficient	1
e - Coefficient	0.55
Y0 - Static axial load coefficient	0.6
Y2 - Upper axial load coefficient	1.1
N lim - Oil lubrication limit speed	6800 tr/min
N lim - Grease lubrication limit speed	5100 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT	
da max - Max shoulder diameter IR	44,5 mm
db min - Min IR shoulder diameter	48,5 mm
Da max - Max shoulder diameter OR	62 mm
Db min - Min OR shoulder diameter	73 mm
ra max - Max fillet radius	0,8 mm
r1a - Max fillet radius	3,3 mm

KIT COMPONENT	
Cone designation	4T-HM89448
Cup designation	4T-HM89410

ESHOPDONOTDISPLAY	
Tracepart	Oui/Yes
Reference	4T-HM89448/HM89410
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No

ESHOPDONOTDISPLAY

Rolling element material	Acier de cémentation

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

P = X.Fr + Y.Fa

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

Po= Xo.Fr + Yo.Fa

X_0	Y_0
0.5	Y0

If Po <Fr, then use Po = Fr

The values for e, Y2 and Y0 are shown in the above table